BRUHAT BANGALORE MAHANAGARA PALIKE

NAME OF WORK: Improvements to roads and drains at Manavarthi Thota, Kamakshamma layout layout Kondappa layout SC-ST areas in Ward No. 02 of Yelahanka Sub division

Measurements Taken On :

MEASUREMENT SHEET - 1st and FINAL BILL

Chainage From	Chainage To	Description of Item	Unit	No	Length (m)	Breadt (m)	Depth (m)	Quantity	Remarks
Item No. 01		Removing and refixing stone slabs of drains and pointing in CM and as per the directions of the Engineer-in-charge of the work .							
		For desilting							
		Kere kodi road							
		Lhs							
6	12		Sqm	1	6.00	0.75		4.50	
18	28		Sqm	1	10.00	0.75		7.50	
36	42		Sqm	1	6.00	0.75		4.50	
52	59		Sqm	1	7.00	0.75		5.25	
67	73		Sqm	1	6.00	0.75		4.50	
84	89		Sqm	1	5.00	0.75		3.75	
97	106		Sqm	1	9.00	0.75		6.75	
111	118		Sqm	1	7.00	0.75		5.25	
125	136		Sqm	1	11.00	0.75		8.25	
142	148		Sqm	1	6.00	0.75		4.50	
156	163		Sqm	1	7.00	0.75		5.25	
174	181		Sqm	1	7.00	0.75		5.25	
184	190		Sqm	1	6.00	0.75		4.50	
201	208		Sqm	1	7.00	0.75		5.25	
213	219		Sqm	1	6.00	0.75		4.50	
229	239		Sqm	1	10.00	0.75		7.50	
246	253		Sqm	1	7.00	0.75		5.25	
263	269		Sqm	1	6.00	0.75		4.50	
276	283		Sqm	1	7.00	0.75		5.25	
291	297		Sqm	1	6.00	0.75		4.50	
303	311		Sqm	1	8.00	0.75		6.00	
323	328		Sqm	1	5.00	0.75		3.75	
336	341		Sqm	1	5.00	0.75		3.75	
353	358		Sqm	1	5.00	0.75		3.75	
362	368		Sqm	1	6.00	0.75		4.50	
		Rhs							
6	12		Sqm	1	6.00	0.75		4.50	
21	29		Sqm	1	8.00	0.75		6.00	
33	39		Sqm	1	6.00	0.75		4.50	
52	59		Sqm	1	7.00	0.75		5.25	
63	73		Sqm	1	10.00	0.75		7.50	
86	89		Sqm	1	3.00	0.75		2.25	
95	101		Sqm	1	6.00	0.75		4.50	
112	118		Sqm	1	6.00	0.75		4.50	
126	132		Sqm	1	6.00	0.75		4.50	
146	149		Sqm	1	3.00	0.75		2.25	

CIVIL Pro Sig Date BANGALORE BBMP

Contactor

Assistant Engineer

Assistant Executive Engineer

MEASUREMENT SHEET - 1st and FINAL BILL

Chainage From	Chainage To	Description of Item	Unit	No	Length (m)	Breadt (m)	Depth (m)	Quantity	Remarks
157	163		Sqm	1	6.00	0.75		4.50	
174	179		Sqm	1	5.00	0.75		3.75	
183	189		Sqm	1	6.00	0.75		4.50	
197	205		Sqm	1	8.00	0.75		6.00	
216	219		Sqm	1	3.00	0.75		2.25	
231	236		Sqm	1	5.00	0.75		3.75	
245	250		Sqm	1	5.00	0.75		3.75	
263	271		Sqm	1	8.00	0.75		6.00	
273	280		Sqm	1	7.00	0.75		5.25	
289	293		Sqm	1	4.00	0.75		3.00	
304	311		Sqm	1	7.00	0.75		5.25	
319	325		Sqm	1	6.00	0.75		4.50	
336	341		Sqm	1	5.00	0.75		3.75	
356	359		Sqm	1	3.00	0.75		2.25	
363	367		Sqm	1	4.00	0.75		3.00	
		BBMP office road							
		Lhs							
4	9		Sqm	1	5.00	0.90		4.50	
16	19		Sqm	1	3.00	0.90		2.70	
34	39		Sqm	1	5.00	0.90		4.50	
43	48		Sqm	1	5.00	0.90		4.50	
66	69		Sqm	1	3.00	0.90		2.70	
76	82		Sqm	1	6.00	0.90		5.40	
90	99		Sqm	1	9.00	0.90		8.10	
106	112		Sqm	1	6.00	0.90		5.40	
123	128		Sqm	1	5.00	0.90		4.50	
138	142		Sqm	1	4.00	0.90		3.60	
152	158		Sqm	1	6.00	0.90		5.40	
169	173		Sqm	1	4.00	0.90		3.60	
183	189		Sqm	1	6.00	0.90		5.40	
198	206		Sqm	1	8.00	0.90		7.20	
216	219		Sqm	1	3.00	0.90		2.70	
222	227		Sqm	1	5.00	0.90		4.50	
236	240		Sqm	1	4.00	0.90		3.60	
246	251		Sqm	1	5.00	0.90		4.50	
		Rhs							
2	9		Sqm	1	7.00	0.90		6.30	
16	23		Sqm	1	7.00	0.90		6.30	
29	39		Sqm	1	10.00	0.90		9.00	
48	51		Sqm	1	3.00	0.90		2.70	
63	69		Sqm	1	6.00	0.90		5.40	
73	85		Sqm	1	12.00	0.90		10.80	

CIVIL Pro Sig. Date BANGALORE

Contactor

Assistant Engineer

Assistant Executive Engineer

MEASUREMENT SHEET - 1st and FINAL BILL

Chainage From	Chainage To	Description of Item	Unit	No	Length (m)	Breadt (m)	Depth (m)	Quantity	Remarks
87	99		Sqm	1	12.00	0.90		10.80	
103	114		Sqm	1	11.00	0.90		9.90	
119	129		Sqm	1	10.00	0.90		9.00	
133	143		Sqm	1	10.00	0.90		9.00	
148	159		Sqm	1	11.00	0.90		9.90	
163	175		Sqm	1	12.00	0.90		10.80	
179	190		Sqm	1	11.00	0.90		9.90	
196	206		Sqm	1	10.00	0.90		9.00	
208	220		Sqm	1	12.00	0.90		10.80	
231	240		Sqm	1	9.00	0.90		8.10	
245	254		Sqm	1	9.00	0.90		8.10	
		AD Colony							
3	9		Sqm	1	6.00	0.75		4.50	
19	23		Sqm	1	4.00	0.75		3.00	
39	43		Sqm	1	4.00	0.75		3.00	
52	59		Sqm	1	7.00	0.75		5.25	
63	70		Sqm	1	7.00	0.75		5.25	
84	89		Sqm	1	5.00	0.75		3.75	
92	101		Sqm	1	9.00	0.75		6.75	
108	116		Sqm	1	8.00	0.75		6.00	
126	132		Sqm	1	6.00	0.75		4.50	
139	148		Sqm	1	9.00	0.75		6.75	
154.5	162		Sqm	1	7.50	0.75		5.63	
165	168		Sqm	1	3.00	0.75		2.25	
173	179		Sqm	1	6.00	0.75		4.50	
186	193		Sqm	1	7.00	0.75		5.25	
204	211		Sqm	1	7.00	0.75		5.25	
224	229		Sqm	1	5.00	0.75		3.75	
		Kondappa layout							
2	13		Sqm	1	11.00	0.90		9.90	
24	33		Sqm	1	9.00	0.90		8.10	
63	79		Sqm	1	16.00	0.90		14.40	
93	109		Sqm	1	16.00	0.90		14.40	
123	132		Sqm	1	9.00	0.90		8.10	
156	163		Sqm	1	7.00	0.90		6.30	
183	197		Sqm	1	14.00	0.90		12.60	
202	216		Sqm	1	14.00	0.90		12.60	
223	234		Sqm	1	11.00	0.90		9.90	
251	263		Sqm	1	12.00	0.90		10.80	
283	293		Sqm	1	10.00	0.90		9.00	
298	302		Sqm	1	4.00	0.90		3.60	
306	309	till sln stores	Sqm	1	3.00	0.90		2.70	
							TOTAL	661.88	

CIVIL Pro Sig Date BANGALORE PM

Contactor

Assistant Engineer

Assistant Executive Engineer

MEASUREMENT SHEET - 1st and FINAL BILL

Chainage From	Chainage To	Description of Item	Unit	No	Length (m)	Breadt (m)	Depth (m)	Quantity	Remarks
Item no.02		**Earthwork excavation by manual means in ordinary soil involving an average horizontal throw upto 2 meters and an average lift upto 0.5 m, excavated surface leveled and sides neatly dressed, the disposed earth to be leveled neatly after breaking of clods complete as per specifications and as per the directions of the Engineer-in-charge of the work .**							
		For RCC Drain							
		Manavarthi Thota							
		Near Corporator house							
			Cum	1	30.00	1.10	1.10	36.30	
		Kamakshamma layout							
		Kaka hotel to Masjid colony							
0	15		Cum	1	15.00	1.20	1.00	18.00	
15	30		Cum	1	15.00	1.20	1.00	18.00	
30	45		Cum	1	15.00	1.20	1.00	18.00	
45	60		Cum	1	15.00	1.20	1.00	18.00	
60	72.6		Cum	1	12.60	1.20	1.00	15.12	
72.6	87.6		Cum	1	15.00	1.20	1.00	18.00	
87.6	102.6		Cum	1	15.00	1.20	1.00	18.00	
102.6	117.6		Cum	1	15.00	1.20	1.00	18.00	
117.6	132.6		Cum	1	15.00	1.20	1.00	18.00	
132.6	142.6		Cum	1	10.00	1.20	1.00	12.00	
142.6	170.1		Cum	1	27.50	1.20	1.00	33.00	
170.1	198.1		Cum	1	28.00	1.20	1.00	33.60	
198.1	218.1		Cum	1	20.00	1.20	1.00	24.00	
		For RCC Culvert							
		AD Colony							
			Cum	1	5.20	1.50	1.10	8.58	
			Cum	1	7.10	1.50	1.10	11.72	
		Kere kodi road							
			Cum	1	7.00	1.50	1.10	11.55	
		For desilting							
		Kere kodi road							
		Lhs							
0	15		Cum	1	15.00	0.45	0.50	3.38	
15	30		Cum	1	15.00	0.45	0.50	3.38	
30	45		Cum	1	15.00	0.45	0.50	3.38	
45	60		Cum	1	15.00	0.45	0.50	3.38	
60	75		Cum	1	15.00	0.45	0.50	3.38	
75	90		Cum	1	15.00	0.45	0.50	3.38	
90	105		Cum	1	15.00	0.45	0.50	3.38	
105	120		Cum	1	15.00	0.45	0.50	3.38	
120	135		Cum	1	15.00	0.45	0.50	3.38	
135	150		Cum	1	15.00	0.45	0.50	3.38	

CIVTL Pro Sig Date PMC BANGALORE

Contactor

Assistant Engineer

Assistant Executive Engineer

MEASUREMENT SHEET - 1st and FINAL BILL

Chainage From	Chainage To	Description of Item	Unit	No	Length (m)	Breadt (m)	Depth (m)	Quantity	Remarks
150	165		Cum	1	15.00	0.45	0.50	3.38	
165	180		Cum	1	15.00	0.45	0.50	3.38	
180	195		Cum	1	15.00	0.45	0.50	3.38	
195	210		Cum	1	15.00	0.45	0.50	3.38	
210	225		Cum	1	15.00	0.45	0.50	3.38	
225	240		Cum	1	15.00	0.45	0.50	3.38	
240	255		Cum	1	15.00	0.45	0.50	3.38	
255	270		Cum	1	15.00	0.45	0.50	3.38	
270	285		Cum	1	15.00	0.45	0.50	3.38	
285	300		Cum	1	15.00	0.45	0.50	3.38	
300	315		Cum	1	15.00	0.45	0.50	3.38	
315	330		Cum	1	15.00	0.45	0.50	3.38	
330	345		Cum	1	15.00	0.45	0.50	3.38	
345	360		Cum	1	15.00	0.45	0.50	3.38	
360	370		Cum	1	10.00	0.45	0.50	2.25	
		Rhs							
0	15		Cum	1	15.00	0.45	0.50	3.38	
15	30		Cum	1	15.00	0.45	0.50	3.38	
30	45		Cum	1	15.00	0.45	0.50	3.38	
45	60		Cum	1	15.00	0.45	0.50	3.38	
60	75		Cum	1	15.00	0.45	0.50	3.38	
75	90		Cum	1	15.00	0.45	0.50	3.38	
90	105		Cum	1	15.00	0.45	0.50	3.38	
105	120		Cum	1	15.00	0.45	0.50	3.38	
120	135		Cum	1	15.00	0.45	0.50	3.38	
135	150		Cum	1	15.00	0.45	0.50	3.38	
150	165		Cum	1	15.00	0.45	0.50	3.38	
165	180		Cum	1	15.00	0.45	0.50	3.38	
180	195		Cum	1	15.00	0.45	0.50	3.38	
195	210		Cum	1	15.00	0.45	0.50	3.38	
210	225		Cum	1	15.00	0.45	0.50	3.38	
225	240		Cum	1	15.00	0.45	0.50	3.38	
240	255		Cum	1	15.00	0.45	0.50	3.38	
255	270		Cum	1	15.00	0.45	0.50	3.38	
270	285		Cum	1	15.00	0.45	0.50	3.38	
285	300		Cum	1	15.00	0.45	0.50	3.38	
300	315		Cum	1	15.00	0.45	0.50	3.38	
315	330		Cum	1	15.00	0.45	0.50	3.38	
330	345		Cum	1	15.00	0.45	0.50	3.38	
345	360		Cum	1	15.00	0.45	0.50	3.38	
360	370		Cum	1	10.00	0.45	0.50	2.25	
		BBMP office road							
		Lhs							
0	11		Cum	1	11.00	0.60	0.50	3.30	
11	26		Cum	1	15.00	0.60	0.50	4.50	
26	41		Cum	1	15.00	0.60	0.50	4.50	
41	56		Cum	1	15.00	0.60	0.50	4.50	
56	71		Cum	1	15.00	0.60	0.50	4.50	

CIVIL Part Sig. Date PMC BANGALORE

Contactor

Assistant Engineer

Assistant Executive Engineer

MEASUREMENT SHEET - 1st and FINAL BILL

Chainage From	Chainage To	Description of Item	Unit	No	Length (m)	Breadt (m)	Depth (m)	Quantity	Remarks
71	86		Cum	1	15.00	0.60	0.50	4.50	
86	101		Cum	1	15.00	0.60	0.50	4.50	
101	116		Cum	1	15.00	0.60	0.50	4.50	
116	131		Cum	1	15.00	0.60	0.50	4.50	
131	146		Cum	1	15.00	0.60	0.50	4.50	
146	161		Cum	1	15.00	0.60	0.50	4.50	
161	176		Cum	1	15.00	0.60	0.50	4.50	
176	192		Cum	1	16.00	0.60	0.50	4.80	
192	207		Cum	1	15.00	0.60	0.50	4.50	
207	222		Cum	1	15.00	0.60	0.50	4.50	
222	227		Cum	1	5.00	0.60	0.50	1.50	
227	242		Cum	1	15.00	0.60	0.50	4.50	
242	257		Cum	1	15.00	0.60	0.50	4.50	
		Rhs							
0	11		Cum	1	11.00	0.60	0.50	3.30	
11	26		Cum	1	15.00	0.60	0.50	4.50	
26	41		Cum	1	15.00	0.60	0.50	4.50	
41	56		Cum	1	15.00	0.60	0.50	4.50	
56	71		Cum	1	15.00	0.60	0.50	4.50	
71	86		Cum	1	15.00	0.60	0.50	4.50	
86	101		Cum	1	15.00	0.60	0.50	4.50	
101	116		Cum	1	15.00	0.60	0.50	4.50	
116	131		Cum	1	15.00	0.60	0.50	4.50	
131	146		Cum	1	15.00	0.60	0.50	4.50	
146	161		Cum	1	15.00	0.60	0.50	4.50	
161	176		Cum	1	15.00	0.60	0.50	4.50	
176	192		Cum	1	16.00	0.60	0.50	4.80	
192	207		Cum	1	15.00	0.60	0.50	4.50	
207	222		Cum	1	15.00	0.60	0.50	4.50	
222	227		Cum	1	5.00	0.60	0.50	1.50	
227	242		Cum	1	15.00	0.60	0.50	4.50	
242	257		Cum	1	15.00	0.60	0.50	4.50	
		AD Colony							
0	15		Cum	1	15.00	0.45	0.50	3.38	
15	30		Cum	1	15.00	0.45	0.50	3.38	
30	45		Cum	1	15.00	0.45	0.50	3.38	
45	60		Cum	1	15.00	0.45	0.50	3.38	
60	75		Cum	1	15.00	0.45	0.50	3.38	
75	90		Cum	1	15.00	0.45	0.50	3.38	
90	105		Cum	1	15.00	0.45	0.50	3.38	
105	120		Cum	1	15.00	0.45	0.50	3.38	
120	135		Cum	1	15.00	0.45	0.50	3.38	
135	150		Cum	1	15.00	0.45	0.50	3.38	
150	165		Cum	1	15.00	0.45	0.50	3.38	
165	168		Cum	1	3.00	0.45	0.50	0.68	
168	183		Cum	1	15.00	0.45	0.50	3.38	
183	198		Cum	1	15.00	0.45	0.50	3.38	
198	213		Cum	1	15.00	0.45	0.50	3.38	

CIVIL Sig. Date PMC BANGALORE

Contactor

Assistant Engineer

Assistant Executive Engineer

MEASUREMENT SHEET - 1st and FINAL BILL

Chainage From	Chainage To	Description of Item	Unit	No	Length (m)	Breadt (m)	Depth (m)	Quantity	Remarks
213	234.6		Cum	1	21.60	0.45	0.50	4.86	
		Kondappa layout							
0	26.5		Cum	1	26.50	0.60	0.50	7.95	
26.5	56.5		Cum	1	30.00	0.60	0.50	9.00	
56.5	86.5		Cum	1	30.00	0.60	0.50	9.00	
86.5	116.5		Cum	1	30.00	0.60	0.50	9.00	
116.5	118.5		Cum	1	2.00	0.60	0.50	0.60	
118.5	148.5		Cum	1	30.00	0.60	0.50	9.00	
148.5	178.5		Cum	1	30.00	0.60	0.50	9.00	
178.5	198.5		Cum	1	20.00	0.60	0.50	6.00	
198.5	226.5		Cum	1	28.00	0.60	0.50	8.40	
226.5	251.5		Cum	1	25.00	0.60	0.50	7.50	
251.5	276.3		Cum	1	24.80	0.60	0.50	7.44	
276.3	306.3		Cum	1	30.00	0.60	0.50	9.00	
306.3	314.3	till sln stores	Cum	1	8.00	0.60	0.50	2.40	
							TOTAL	797.64	
							Quantity Limited To	783.24	

CIVIL Pro Sig Date BANGALORE

Contactor PMC Assistant Engineer Assistant Executive Engineer

MEASUREMENT SHEET - 1st and FINAL BILL

Chainage From	Chainage To	Description of Item	Unit	No	Length (m)	Breadt (m)	Depth (m)	Quantity	Remarks
Item no.03		**Providing and laying Plain cement concrete of mix 1:3:6 with OPC @ 220kgs, with crushed 40mm and down size graded granite metal coarse aggregates @0.89cum and fine aggregates @ 0.46cum, in foundation mechanically mixed, placed in foundation and compacted by vibration including curing for 14 days including cost of all materials, labour, HOM curing, form works, scaffolding and centering complete as per specifications and as per the directions of the Engineer-in-charge of the work .**							
		Manavarthi Thota							
		Near Corporator house							
				1	30.00	1.10	0.15	4.95	
		Kamakshamma layout							
		Kaka hotel to Masjid colony							
0	15		Cum	1	15.00	1.10	0.15	2.48	
15	30		Cum	1	15.00	1.10	0.15	2.48	
30	45		Cum	1	15.00	1.10	0.15	2.48	
45	60		Cum	1	15.00	1.10	0.15	2.48	
60	72.6		Cum	1	12.60	1.10	0.15	2.08	
72.6	87.6		Cum	1	15.00	1.10	0.15	2.48	
87.6	102.6		Cum	1	15.00	1.10	0.15	2.48	
102.6	117.6		Cum	1	15.00	1.10	0.15	2.48	
117.6	132.6		Cum	1	15.00	1.10	0.15	2.48	
132.6	142.6		Cum	1	10.00	1.10	0.15	1.65	
142.6	170.1		Cum	1	27.50	1.10	0.15	4.54	
170.1	198.1		Cum	1	28.00	1.10	0.15	4.62	
198.1	218.1		Cum	1	20.00	1.10	0.15	3.30	
		For RCC Culvert							
		AD Colony							
			cum	1	5.20	1.80	0.15	1.40	
			cum	1	7.10	1.80	0.15	1.92	
		Kere kodi road							
			cum	1	7.00	1.20	0.15	1.26	
		For CC Road							
		Shamanna House							
0	12		Cum	1	12.00	1.25	0.15	2.25	
12	26.9		Cum	1	14.90	2.05	0.175	5.35	
26.9	47.1		Cum	1	20.20	2.17	0.15	6.57	
		Shamanna House To Dead End							
0	15		Cum	1	15.00	1.30	0.15	2.93	
15	30		Cum	1	15.00	2.10	0.15	4.73	
30	40		Cum	1	10.00	2.20	0.15	3.30	
							TOTAL	**70.63**	

CIVIL Pro Sig Date PMC BANGALORE

Contactor

Assistant Engineer

Assistant Executive Engineer

MEASUREMENT SHEET - 1st and FINAL BILL

Chainage From	Chainage To	Description of Item	Unit	No	Length (m)	Breadt (m)	Depth (m)	Quantity	Remarks
Item no.04		Providing and laying plain/reinforced cement concrete for side drains using M20 nominal mix concrete with OPC at 300 kgs. With 20mm and sown size granite metal course aggregates at 0.69 cum and fine aggregates at 0.43 cum machine mixed, well competed for walls and bottom including centring shuttering cost of material HOM of machinary curing etc., complete execluding cost of steel as per MORTH specification no. 1500, 1700, 2200 including cost of material labour HOM complete as per specification and as per the directions of the Engineer-in-charge of the work.							
		For RCC drain							
		Bottom Slab							
		Manavarthi Thota							
		Near Corporator house							
			Cum	1	30.00	1.00	0.15	4.50	
		Kamakshamma layout							
		Kaka hotel to Masjid colony							
0	15		Cum	1	15.00	0.90	0.15	2.03	
15	30		Cum	1	15.00	0.90	0.15	2.03	
30	45		Cum	1	15.00	0.90	0.15	2.03	
45	60		Cum	1	15.00	0.90	0.15	2.03	
60	72.6		Cum	1	12.60	0.90	0.15	1.70	
72.6	87.6		Cum	1	15.00	0.90	0.15	2.03	
87.6	102.6		Cum	1	15.00	0.90	0.15	2.03	
102.6	117.6		Cum	1	15.00	0.90	0.15	2.03	
117.6	132.6		Cum	1	15.00	0.90	0.15	2.03	
132.6	142.6		Cum	1	10.00	0.90	0.15	1.35	
142.6	170.1		Cum	1	27.50	0.90	0.15	3.71	
170.1	198.1		Cum	1	28.00	0.90	0.15	3.78	
198.1	218.1		Cum	1	20.00	0.90	0.15	2.70	
		Culvert							
		AD Colony							
			Cum	1	5.20	1.80	0.20	1.87	
			Cum	1	7.10	1.80	0.20	2.56	
		Kere kodi road							
			Cum	1	7.00	1.20	0.20	1.68	
		Side wall							
		Manavarthi Thota							
		Near Corporator house							
			Cum	2	30.00	0.15	0.65	5.85	
		Kaka hotel to Masjid colony							
0	15		Cum	2	15.00	0.15	0.60	2.70	

CIVIL Pro Sig Date BANGALORE PMC

Contactor

Assistant Engineer

Assistant Executive Engineer

MEASUREMENT SHEET - 1st and FINAL BILL

Chainage From	Chainage To	Description of Item	Unit	No	Length (m)	Breadt (m)	Depth (m)	Quantity	Remarks
15	30		Cum	2	15.00	0.15	0.60	2.70	
30	45		Cum	2	15.00	0.15	0.60	2.70	
45	60		Cum	2	15.00	0.15	0.60	2.70	
60	72.6		Cum	2	12.60	0.15	0.60	2.27	
72.6	87.6		Cum	2	15.00	0.15	0.60	2.70	
87.6	102.6		Cum	2	15.00	0.15	0.60	2.70	
102.6	117.6		Cum	2	15.00	0.15	0.60	2.70	
117.6	132.6		Cum	2	15.00	0.15	0.60	2.70	
132.6	142.6		Cum	2	10.00	0.15	0.60	1.80	
142.6	170.1		Cum	2	27.50	0.15	0.60	4.95	
170.1	198.1		Cum	2	28.00	0.15	0.60	5.04	
198.1	218.1		Cum	2	20.00	0.15	0.60	3.60	
		Culvert							
		AD Colony							
			Cum	2	5.20	0.20	0.60	1.25	
			Cum	2	7.10	0.20	0.60	1.70	
		Kere kodi road							
			Cum	2	7.00	0.20	0.60	1.68	
							TOTAL	89.79	

CIVIL Pro
Sig
Date
BANGALORE

Contactor

Assistant Engineer

Assistant Executive Engineer

Sl NO	Description	Nos	BAR DIA	No. Bars	Total No. bars	Length	Total Length	Weight	Total weight
			mm			m	m	kg/m	Kg's
	Item no.05	**Providing TMT steel reinforcement for R.C.C work including straightening, cutting, bending, hooking, palcing in position, lapping and / or welding wherever required, tying with binding wire and anchoring to the adjoining memebrs wherever necessary complete as per design (laps, hooks and wastage shall not be measured and paid) cost of materials, labour, HOM of machinery complete as per specifications.**							
	Manavarthi Thota								
	Near Corporator house								
	Main Bars (#12@130 c/c)	1	12	232	232	2.50	580.00	0.887814	514.93
	Distribution(10-#8)	1	8	10	10	30.00	300.00	0.394584	118.38
	Kamakshamma layout								
	Kaka hotel to Masjid colony								
	Main Bars (#12@130 c/c)	1	12	1679	1679	2.58	4331.82	0.887814	3845.85
	Distribution(10-#8)	1	8	10	10	218.10	2181.00	0.394584	860.59
	Culvert								
	AD Colony								
	side wall								
	Main Bars outer face (#16@150 c/c)	1	16	36	36	3.40	122.40	1.578336	193.19
	Main Bars inner face (#16@150 c/c)	1	16	36	36	3.00	108.00	1.578336	170.46
	Distribution								
	side walls(15#10)	2	10	15	30	0.80	24.00	0.616538	14.80
	bottom slab(15-#10)	1	10	15	15	1.30	19.50	0.616538	12.02
	AD Colony								
	side wall								
	Main Bars outer face (#16@150 c/c)	1	16	49	49	2.90	142.10	1.578336	224.28
	Main Bars inner face (#16@150 c/c)	1	16	49	49	2.50	122.50	1.578336	193.35
	Distribution								
	side walls(15#10)	2	10	15	30	0.80	24.00	0.616538	14.80
	bottom slab(15-#10)	1	10	15	15	1.30	19.50	0.616538	12.02
	Kere kodi road								
	side wall								
	Main Bars outer face (#16@150 c/c)	1	16	48	48	2.90	139.20	1.578336	219.70
	Main Bars inner face (#16@150 c/c)	1	16	48	48	2.50	120.00	1.578336	189.40
	Distribution								
	side walls(15#10)	2	10	15	30	0.80	24.00	0.616538	14.80
	bottom slab(15-#10)	1	10	15	15	1.30	19.50	0.616538	12.02
								TOTAL QTY IN KG'S	6610.59
								TOTAL QTY IN TONNE	6.61

CIVIL Pro Sig Date PMC BANGALORE

Contractor

Assistant Engineer

Assistant Executive Engineer

MEASUREMENT SHEET - 1st and FINAL BILL

Chainage From	Chainage To	Description of Item	Unit	No	Length (m)	Breadt (m)	Depth (m)	Quantity	Remarks
Item no.06		Providing and fixing RCC precast cover slab of 100mm thick for drain in cement concrete 1:1.5:3 using graded granite jelly 20mm and down size with steel reinforcement, including form work, lift charges, curing and concrete finished surfaces on both sides etc, completeand as per the directions of the Engineer-in-charge of the work .							
		Manavarthi Thota							
		Near Corporator house							
			Sqm	1	30.00	0.90		27.00	
		Kamakshamma layout							
		Kaka hotel to Masjid colony							
0	15		Sqm	1	15.00	0.90		13.50	
15	30		Sqm	1	15.00	0.90		13.50	
30	45		Sqm	1	15.00	0.90		13.50	
45	60		Sqm	1	15.00	0.90		13.50	
60	72.6		Sqm	1	12.60	0.90		11.34	
72.6	87.6		Sqm	1	15.00	0.90		13.50	
87.6	102.6		Sqm	1	15.00	0.90		13.50	
102.6	117.6		Sqm	1	15.00	0.90		13.50	
117.6	132.6		Sqm	1	15.00	0.90		13.50	
132.6	142.6		Sqm	1	10.00	0.90		9.00	
142.6	170.1		Sqm	1	27.50	0.90		24.75	
170.1	198.1		Sqm	1	28.00	0.90		25.20	
198.1	218.1		Sqm	1	20.00	0.90		18.00	
		Missing/Damaged from Item no 1							
		Kere kodi road							
		Lhs							
6	12		Sqm	1	6.00	0.75		4.50	
18	28		Sqm	1	10.00	0.75		7.50	
142	148		Sqm	1	6.00	0.75		4.50	
156	163		Sqm	1	7.00	0.75		5.25	
174	181		Sqm	1	7.00	0.75		5.25	
184	190		Sqm	1	6.00	0.75		4.50	
201	208		Sqm	1	7.00	0.75		5.25	
213	219		Sqm	1	6.00	0.75		4.50	
229	239		Sqm	1	10.00	0.75		7.50	
246	253		Sqm	1	7.00	0.75		5.25	
263	269		Sqm	1	6.00	0.75		4.50	
276	283		Sqm	1	7.00	0.75		5.25	
353	358		Sqm	1	5.00	0.75		3.75	
362	368		Sqm	1	6.00	0.75		4.50	
		Rhs							
6	12		Sqm	1	6.00	0.75		4.50	
21	29		Sqm	1	8.00	0.75		6.00	

CIVIL WING BANGALORE

Contactor

Assistant Engineer

Assistant Executive Engineer

MEASUREMENT SHEET - 1st and FINAL BILL

Chainage From	Chainage To	Description of Item	Unit	No	Length (m)	Breadt (m)	Depth (m)	Quantity	Remarks
33	39		Sqm	1	6.00	0.75		4.50	
52	59		Sqm	1	7.00	0.75		5.25	
63	73		Sqm	1	10.00	0.75		7.50	
86	89		Sqm	1	3.00	0.75		2.25	
95	101		Sqm	1	6.00	0.75		4.50	
289	293		Sqm	1	4.00	0.75		3.00	
304	311		Sqm	1	7.00	0.75		5.25	
319	325		Sqm	1	6.00	0.75		4.50	
336	341		Sqm	1	5.00	0.75		3.75	
356	359		Sqm	1	3.00	0.75		2.25	
363	367		Sqm	1	4.00	0.75		3.00	
		BBMP office road							
		Lhs							
4	9		Sqm	1	5.00	0.90		4.50	
16	19		Sqm	1	3.00	0.90		2.70	
34	39		Sqm	1	5.00	0.90		4.50	
43	48		Sqm	1	5.00	0.90		4.50	
66	69		Sqm	1	3.00	0.90		2.70	
76	82		Sqm	1	6.00	0.90		5.40	
90	99		Sqm	1	9.00	0.90		8.10	
106	112		Sqm	1	6.00	0.90		5.40	
123	128		Sqm	1	5.00	0.90		4.50	
138	142		Sqm	1	4.00	0.90		3.60	
183	189		Sqm	1	6.00	0.90		5.40	
198	206		Sqm	1	8.00	0.90		7.20	
216	219		Sqm	1	3.00	0.90		2.70	
222	227		Sqm	1	5.00	0.90		4.50	
236	240		Sqm	1	4.00	0.90		3.60	
246	251		Sqm	1	5.00	0.90		4.50	
		Rhs							
2	9		Sqm	1	7.00	0.90		6.30	
16	23		Sqm	1	7.00	0.90		6.30	
29	39		Sqm	1	10.00	0.90		9.00	
48	51		Sqm	1	3.00	0.90		2.70	
63	69		Sqm	1	6.00	0.90		5.40	
103	114		Sqm	1	11.00	0.90		9.90	
119	129		Sqm	1	10.00	0.90		9.00	
133	143		Sqm	1	10.00	0.90		9.00	
148	159		Sqm	1	11.00	0.90		9.90	
163	175		Sqm	1	12.00	0.90		10.80	
179	190		Sqm	1	11.00	0.90		9.90	
196	206		Sqm	1	10.00	0.90		9.00	
		AD Colony							
52	59		Sqm	1	7.00	0.75		5.25	
63	70		Sqm	1	7.00	0.75		5.25	
84	89		Sqm	1	5.00	0.75		3.75	
92	101		Sqm	1	9.00	0.75		6.75	
139	148		Sqm	1	9.00	0.75		6.75	

CIVIL WORKS Sig Date PMC BANGALORE

Contactor

Assistant Engineer

Assistant Executive Engineer

MEASUREMENT SHEET - 1st and FINAL BILL

Chainage From	Chainage To	Description of Item	Unit	No	Length (m)	Breadt (m)	Depth (m)	Quantity	Remarks
154.5	162		Sqm	1	7.50	0.75		5.63	
165	168		Sqm	1	3.00	0.75		2.25	
173	179		Sqm	1	6.00	0.75		4.50	
		Kondappa layout							
123	132		Sqm	1	9.00	0.90		8.10	
156	163		Sqm	1	7.00	0.90		6.30	
251	260		Sqm	1	9.00	0.90		8.10	
283	289		Sqm	1	6.00	0.90		5.40	
							TOTAL	**590.57**	

CIVIL Pro Sq Date BANGALORE

Contactor

Assistant Engineer

Assistant Executive Engineer

MEASUREMENT SHEET - 1st and FINAL BILL

Chainage From	Chainage To	Description of Item	Unit	No	Length (m)	Breadt (m)	Depth (m)	Quantity	Remarks
Item no.07		Providing and fixing RCC precast cover slab of 250mm thick made out of CC 1:2:4 and jelly 20mm and down size with steel reinforcement, including form work, lift charges, curing and concrete finished surfaces on both sides etc, complete and as per the directions of the Engineer-in-charge of the work .							
		AD Colony							
			Sqm	1	5.20	1.80		9.36	
			Sqm	1	7.10	1.80		12.78	
		Kere kodi road							
			Sqm	1	7.00	1.20		8.40	
							TOTAL	30.54	
							Quantity Limited To	28.80	

Contactor

CIVIL Pro Sig Date PMC BANGALORE

Assistant Engineer

Assistant Executive Engineer

MEASUREMENT SHEET - 1st and FINAL BILL

Chainage From	Chainage To	Description of Item	Unit	No	Length (m)	Breadt (m)	Depth (m)	Quantity	Remarks
Item no.08		Dismantling of cement concrete pavement by mechanical means using pneumatic tools, breaking to pieces not exceeding 0.02 cum in volume and stock piling at designated locations and disposal of dismantled materials stacking serviceable and unserviceable materials seperately complete as per specifications and as per the directions of the Engineer-in-charge of the work .							
		Shamanna House							
0	12		Cum	1	12.00	1.25	0.20	3.00	
12	26.9		Cum	1	14.90	2.05	0.20	6.11	
26.9	47.1		Cum	1	20.20	2.17	0.20	8.75	
		Shamanna House To Dead End							
0	15		Cum	1	15.00	1.30	0.20	3.90	
15	30		Cum	1	15.00	2.10	0.20	6.30	
30	40		Cum	1	10.00	2.20	0.20	4.40	
							Toatal	32.46	

CIVIL Pro Sig Date PMC BANGALORE

Contactor

Assistant Engineer

Assistant Executive Engineer

MEASUREMENT SHEET - 1st and FINAL BILL

Chainage From	Chainage To	Description of Item	Unit	No	Length (m)	Breadt (m)	Depth (m)	Quantity	Remarks
Item no.09		Constructing un-reinforced, plain cement concrete for pavements using Grade concrete M30 with OPC at 360 kg/cum and coarse aggregate 0.69cum, fine aggregate 0.46cum. over a prepared base with OPC coarse aggregate at 0.69 cum, fine aggregates at 0.46 cum,Coarse and fine aggregate conforming to IS:383-2016, with Superplastizer at 3 lts conforming to IS 9103-2008. mixed in a concrete mixer of not less than 0.6 cum capacity and appropriate weigh batcher as per approved mix design, laid in approved fixed side form work (steel channel, laying and fixing of 125 micron thick polythene film, wedges, steel plates including levelling the form work as per drawing). & Spreading the concrete with shovels, rackers compacted using needle, screed and plate vibrator and finished with floaters in a continuous operation including provision of contraction, expansion, construction and longitudinal joints,including groove cutting charges, joint filler, separation membrane of impermiable plastic sheet of 125 micron, sealant primer, joint sealant, admixtures as approved, curing compound, finishing to lines and grades, textured with texturing machine, and curing including cost of all materials, labour,hire charges of machineries,all lead & lift charges etc., complete as per specifications and as per the directions of the Engineer-in-charge of the work .							
0	12		Cum	1	12.00	1.25	0.15	2.25	
12	26.9		Cum	1	14.90	2.05	0.15	4.58	
26.9	47.1		Cum	1	20.20	2.17	0.15	6.57	
		Shamanna House To Dead End							
0	15		Cum	1	15.00	1.30	0.175	3.41	
15	30		Cum	1	15.00	2.10	0.175	5.51	
30	40		Cum	1	10.00	2.20	0.175	3.85	
							TOTAL	26.17	

CIVIL Pro Sig Date BANGALORE

Contactor

Assistant Engineer

Assistant Executive Engineer

MEASUREMENT SHEET - 1st and FINAL BILL

Chainage From	Chainage To	Description of Item	Unit	No	Length (m)	Breadt (m)	Depth (m)	Quantity	Remarks
Item no.10		Vaccum De- writing with vaccum pump and suction mat and compaction with skin flater clubbed with floatiog disc including cost of generator, HOM of machinery Sereed Vibratory Power Floaterblade and diisc etc. with all lead and lift. and as per the directions of the Engineer-in-charge of the work .							
		Shamanna House							
0	12		Sqm	1	12.00	1.25		15.00	
12	26.9		Sqm	1	14.90	2.05		30.55	
26.9	47.1		Sqm	1	20.20	2.17		43.77	
		Shamanna House To Dead End							
0	15		Sqm	1	15.00	1.30		19.50	
15	30		Sqm	1	15.00	2.10		31.50	
30	40		Sqm	1	10.00	2.20		22.00	
							TOTAL	162.31	

CIVIL Pro
Sig
Date
BANGALORE

Contactor

Assistant Engineer

Assistant Executive Engineer

MEASUREMENT SHEET - 1st and FINAL BILL

Chainage From	Chainage To	Description of Item	Unit	No	Length (m)	Breadt (m)	Depth (m)	Quantity	Remarks
Item no.11		Construction of granular sub-base Grading-V as Sub-base and drainage layer by providing coarse graded crushed stone aggregates of granite/ trap/basalt material, mixing in a mechanical mix plant at OMC, Carriage of mixed material to work site, spreading in uniform layers with motor grader on prepared surface and compacting with vibratory power roller to achieve the 98 % proctor density, complete as per specificationand as per drawing and as per the directions of the Engineer-in-charge of the work .							
		For asphalt road, Bad reach							
		Kere kodi road							
0	15		Cum	1	15.00	2.00	0.15	4.50	
15	30		Cum	1	15.00	2.00	0.15	4.50	
30	45		Cum	1	15.00	1.50	0.15	3.38	
45	60		Cum	1	15.00	2.00	0.15	4.50	
60	75		Cum	1	15.00	2.00	0.15	4.50	
75	90		Cum	1	15.00	2.00	0.15	4.50	
90	105		Cum	1	15.00	1.50	0.15	3.38	
105	120		Cum	1	15.00	2.00	0.15	4.50	
120	135		Cum	1	15.00	2.00	0.15	4.50	
135	150		Cum	1	15.00	2.00	0.15	4.50	
150	165		Cum	1	15.00	2.00	0.15	4.50	
165	180		Cum	1	15.00	2.00	0.15	4.50	
180	195		Cum	1	15.00	1.60	0.15	3.60	
195	210		Cum	1	15.00	1.60	0.15	3.60	
210	225		Cum	1	15.00	2.00	0.15	4.50	
225	240		Cum	1	15.00	1.60	0.15	3.60	
240	255		Cum	1	15.00	2.00	0.15	4.50	
255	270		Cum	1	15.00	2.00	0.15	4.50	
270	285		Cum	1	15.00	2.00	0.15	4.50	
285	300		Cum	1	15.00	1.60	0.15	3.60	
300	315		Cum	1	15.00	2.00	0.15	4.50	
315	330		Cum	1	15.00	2.00	0.15	4.50	
330	345		Cum	1	15.00	2.00	0.15	4.50	
345	360		Cum	1	15.00	2.00	0.15	4.50	
360	370		Cum	1	10.00	2.00	0.15	3.00	
		BBMP office road							
0	11		Cum	1	11.00	2.00	0.15	3.30	
11	26		Cum	1	15.00	2.00	0.15	4.50	
26	41		Cum	1	15.00	2.00	0.15	4.50	
41	56		Cum	1	15.00	1.60	0.15	3.60	
56	71		Cum	1	15.00	2.00	0.15	4.50	
71	86		Cum	1	15.00	2.00	0.15	4.50	
86	101		Cum	1	15.00	1.60	0.15	3.60	
101	116		Cum	1	15.00	2.00	0.15	4.50	
116	131		Cum	1	15.00	2.00	0.15	4.50	
131	146		Cum	1	15.00	2.00	0.15	4.50	
146	161		Cum	1	15.00	1.50	0.15	3.38	

CIVIL Pro Sig Date PMC BANGALORE

Contactor

Assistant Engineer

Assistant Executive Engineer

MEASUREMENT SHEET - 1st and FINAL BILL

Chainage From	Chainage To	Description of Item	Unit	No	Length (m)	Breadt (m)	Depth (m)	Quantity	Remarks
161	176		Cum	1	15.00	1.60	0.15	3.60	
176	192		Cum	1	16.00	2.00	0.15	4.80	
192	207		Cum	1	15.00	1.60	0.15	3.60	
207	222		Cum	1	15.00	2.00	0.15	4.50	
222	227		Cum	1	5.00	2.00	0.15	1.50	
227	242		Cum	1	15.00	1.60	0.15	3.60	
242	257		Cum	1	15.00	2.00	0.15	4.50	
		AD Colony							
0	15		Cum	1	15.00	2.00	0.15	4.50	
15	30		Cum	1	15.00	2.00	0.15	4.50	
30	45		Cum	1	15.00	1.60	0.15	3.60	
45	60		Cum	1	15.00	1.60	0.15	3.60	
60	75		Cum	1	15.00	2.00	0.15	4.50	
75	90		Cum	1	15.00	1.60	0.15	3.60	
90	105		Cum	1	15.00	2.00	0.15	4.50	
105	120		Cum	1	15.00	1.50	0.15	3.38	
120	135		Cum	1	15.00	1.60	0.15	3.60	
135	150		Cum	1	15.00	2.00	0.15	4.50	
150	165		Cum	1	15.00	2.00	0.15	4.50	
165	168		Cum	1	3.00	1.80	0.15	0.81	
168	183		Cum	1	15.00	2.00	0.15	4.50	
183	198		Cum	1	15.00	2.00	0.15	4.50	
198	213		Cum	1	15.00	2.00	0.15	4.50	
213	234.6		Cum	1	21.60	2.00	0.15	6.48	
							Total	**242.19**	
							Quantity Limited To	**241.20**	

CIVIL Pro
Sig
Date
BANGALORE

Contactor

Assistant Engineer

Assistant Executive Engineer

MEASUREMENT SHEET - 1st and FINAL BILL

Chainage From	Chainage To	Description of Item	Unit	No	Length (m)	Breadt (m)	Depth (m)	Quantity	Remarks
Item no.12		Providing, laying, spreading and compacting cushed stone aggregates of granite / trap / basalt to wet mix macadam specifications including pre mixing the material with water at OMC in mechanical mix plant carriage of mixed materials by tipper to site, laying in uniform layers with paver in sub-base/base course on well prepared surface and compacting with vibratory roller to achieve the desired density complete as per specifications and as per the directions of the Engineer-in-charge of the work.							
		For asphalt road, Bad reach							
		Kere kodi road							
0	15		Cum	1	15.00	2.00	0.23	6.90	
15	30		Cum	1	15.00	2.00	0.23	6.90	
30	45		Cum	1	15.00	1.90	0.23	6.56	
45	60		Cum	1	15.00	2.00	0.23	6.90	
60	75		Cum	1	15.00	2.00	0.23	6.90	
75	90		Cum	1	15.00	2.00	0.23	6.90	
90	105		Cum	1	15.00	1.50	0.23	5.18	
105	120		Cum	1	15.00	2.00	0.23	6.90	
120	135		Cum	1	15.00	2.00	0.23	6.90	
135	150		Cum	1	15.00	2.00	0.23	6.90	
150	165		Cum	1	15.00	2.00	0.23	6.90	
165	180		Cum	1	15.00	2.00	0.23	6.90	
180	195		Cum	1	15.00	1.60	0.23	5.52	
195	210		Cum	1	15.00	1.60	0.23	5.52	
210	225		Cum	1	15.00	2.00	0.23	6.90	
225	240		Cum	1	15.00	1.60	0.23	5.52	
240	255		Cum	1	15.00	2.00	0.23	6.90	
255	270		Cum	1	15.00	2.00	0.23	6.90	
270	285		Cum	1	15.00	2.00	0.23	6.90	
285	300		Cum	1	15.00	1.60	0.23	5.52	
300	315		Cum	1	15.00	2.00	0.23	6.90	
315	330		Cum	1	15.00	2.00	0.23	6.90	
330	345		Cum	1	15.00	2.00	0.23	6.90	
345	360		Cum	1	15.00	2.00	0.23	6.90	
360	370		Cum	1	10.00	2.00	0.23	4.60	
		BBMP office road							
0	11		Cum	1	11.00	2.00	0.23	5.06	
11	26		Cum	1	15.00	2.00	0.23	6.90	
26	41		Cum	1	15.00	2.00	0.23	6.90	
41	56		Cum	1	15.00	1.60	0.23	5.52	
56	71		Cum	1	15.00	2.00	0.23	6.90	
71	86		Cum	1	15.00	2.00	0.23	6.90	
86	101		Cum	1	15.00	1.60	0.23	5.52	
101	116		Cum	1	15.00	2.00	0.23	6.90	
116	131		Cum	1	15.00	2.00	0.23	6.90	
131	146		Cum	1	15.00	2.00	0.23	6.90	

CIVIL Pro Sig Date BANGALORE

Contactor

Assistant Engineer

Assistant Executive Engineer

MEASUREMENT SHEET - 1st and FINAL BILL

Chainage From	Chainage To	Description of Item	Unit	No	Length (m)	Breadt (m)	Depth (m)	Quantity	Remarks
146	161		Cum	1	15.00	1.50	0.23	5.18	
161	176		Cum	1	15.00	1.60	0.23	5.52	
176	192		Cum	1	16.00	2.00	0.23	7.36	
192	207		Cum	1	15.00	1.60	0.23	5.52	
207	222		Cum	1	15.00	2.00	0.23	6.90	
222	227		Cum	1	5.00	2.00	0.23	2.30	
227	242		Cum	1	15.00	1.60	0.23	5.52	
242	257		Cum	1	15.00	2.00	0.23	6.90	
		AD Colony							
0	15		Cum	1	15.00	2.00	0.23	6.90	
15	30		Cum	1	15.00	2.00	0.23	6.90	
30	45		Cum	1	15.00	1.60	0.23	5.52	
45	60		Cum	1	15.00	1.60	0.23	5.52	
60	75		Cum	1	15.00	2.00	0.23	6.90	
75	90		Cum	1	15.00	1.60	0.23	5.52	
90	105		Cum	1	15.00	2.00	0.23	6.90	
105	120		Cum	1	15.00	1.50	0.23	5.18	
120	135		Cum	1	15.00	1.60	0.23	5.52	
135	150		Cum	1	15.00	2.00	0.23	6.90	
150	165		Cum	1	15.00	2.00	0.23	6.90	
165	168		Cum	1	3.00	1.80	0.23	1.24	
168	183		Cum	1	15.00	2.00	0.23	6.90	
183	198		Cum	1	15.00	2.00	0.23	6.90	
198	213		Cum	1	15.00	2.00	0.23	6.90	
213	234.6		Cum	1	21.60	2.00	0.23	9.94	
		Pump House							
0	15		Cum	1	15.00	2.20	0.23	7.59	
15	30		Cum	1	15.00	2.20	0.23	7.59	
30	32		Cum	1	2.00	2.20	0.23	1.01	
							Toat	**388.93**	
							Quantity Limited To	**369.84**	

CIVIL Pro
Sig
Date
BANGALORE

Contactor

Assistant Engineer

Assistant Executive Engineer

MEASUREMENT SHEET - 1st and FINAL BILL

Chainage From	Chainage To	Description of Item	Unit	No	Length (m)	Breadt (m)	Depth (m)	Quantity	Remarks
Item no.13		Providing and applying primer coat with S.S. bitumen emulsion on prepared surface of granular base such as WMM including cleaning of road surface and spraying primer at the rate of 0.60 kg / sqm using mechanical means complete as per specifications and as per the directions of the Engineer-in-charge of the work.							
		BAD REACH							
		Kere kodi road							
0	15		Sqm	1	15.00	2.00		30.00	
15	30		Sqm	1	15.00	2.00		30.00	
30	45		Sqm	1	15.00	1.90		28.50	
45	60		Sqm	1	15.00	2.00		30.00	
60	75		Sqm	1	15.00	2.00		30.00	
75	90		Sqm	1	15.00	2.00		30.00	
90	105		Sqm	1	15.00	1.50		22.50	
105	120		Sqm	1	15.00	2.00		30.00	
120	135		Sqm	1	15.00	2.00		30.00	
135	150		Sqm	1	15.00	2.00		30.00	
150	165		Sqm	1	15.00	2.00		30.00	
165	180		Sqm	1	15.00	2.00		30.00	
180	195		Sqm	1	15.00	1.60		24.00	
195	210		Sqm	1	15.00	1.60		24.00	
210	225		Sqm	1	15.00	2.00		30.00	
225	240		Sqm	1	15.00	1.60		24.00	
240	255		Sqm	1	15.00	2.00		30.00	
255	270		Sqm	1	15.00	2.00		30.00	
270	285		Sqm	1	15.00	2.00		30.00	
285	300		Sqm	1	15.00	1.60		24.00	
300	315		Sqm	1	15.00	2.00		30.00	
315	330		Sqm	1	15.00	2.00		30.00	
330	345		Sqm	1	15.00	2.00		30.00	
345	360		Sqm	1	15.00	2.00		30.00	
360	370		Sqm	1	10.00	2.00		20.00	
								0.00	
		BBMP office road						22.00	
0	11		Sqm	1	11.00	2.00		30.00	
11	26		Sqm	1	15.00	2.00		30.00	
26	41		Sqm	1	15.00	2.00		24.00	
41	56		Sqm	1	15.00	1.60		30.00	
56	71		Sqm	1	15.00	2.00		30.00	
71	86		Sqm	1	15.00	2.00		24.00	
86	101		Sqm	1	15.00	1.60		30.00	
101	116		Sqm	1	15.00	2.00		30.00	
116	131		Sqm	1	15.00	2.00		30.00	
131	146		Sqm	1	15.00	2.00		30.00	
146	161		Sqm	1	15.00	1.50		22.50	
161	176		Sqm	1	15.00	1.60		24.00	
176	192		Sqm	1	16.00	2.00		32.00	
192	207		Sqm	1	15.00	1.60		24.00	

Contactor

CIVIL PRO... BANGALORE

Assistant Engineer

Assistant Executive Engineer

Assistant Executive Engineer

MEASUREMENT SHEET - 1st and FINAL BILL

Chainage From	Chainage To	Description of Item	Unit	No	Length (m)	Breadt (m)	Depth (m)	Quantity	Remarks
207	222		Sqm	1	15.00	2.00		30.00	
222	227		Sqm	1	5.00	2.00		10.00	
227	242		Sqm	1	15.00	1.60		24.00	
242	257		Sqm	1	15.00	2.00		30.00	
		AD Colony						0.00	
0	15		Sqm	1	15.00	2.00		30.00	
15	30		Sqm	1	15.00	2.00		30.00	
30	45		Sqm	1	15.00	1.60		24.00	
45	60		Sqm	1	15.00	1.60		24.00	
60	75		Sqm	1	15.00	2.00		30.00	
75	90		Sqm	1	15.00	1.60		24.00	
90	105		Sqm	1	15.00	2.00		30.00	
105	120		Sqm	1	15.00	1.50		22.50	
120	135		Sqm	1	15.00	1.60		24.00	
135	150		Sqm	1	15.00	2.00		30.00	
150	165		Sqm	1	15.00	2.00		30.00	
165	168		Sqm	1	3.00	1.80		5.40	
168	183		Sqm	1	15.00	2.00		30.00	
183	198		Sqm	1	15.00	2.00		30.00	
198	213		Sqm	1	15.00	2.00		30.00	
213	234.6		Sqm	1	21.60	2.00		43.20	
		Pump House							
0	15		Sqm	1	15.00	2.20		33.00	
15	30		Sqm	1	15.00	2.20		33.00	
30	32		Sqm	1	2.00	2.20		4.40	
		PROFILE CORRECTION							
		Kere kodi road						0.00	
0	15		Sqm	0.4	15.00	5.75		34.50	
15	30		Sqm	0.4	15.00	5.90		35.40	
30	45		Sqm	0.4	15.00	6.65		39.90	
45	60		Sqm	0.4	15.00	7.95		47.70	
60	75		Sqm	0.4	15.00	8.30		49.80	
75	90		Sqm	0.4	15.00	8.35		50.10	
90	105		Sqm	0.4	15.00	8.65		51.90	
105	120		Sqm	0.4	15.00	8.65		51.90	
120	135		Sqm	0.4	15.00	8.75		52.50	
135	150		Sqm	0.4	15.00	9.00		54.00	
150	165		Sqm	0.4	15.00	9.00		54.00	
165	180		Sqm	0.4	15.00	9.05		54.30	
180	195		Sqm	0.4	15.00	8.90		53.40	
195	210		Sqm	0.4	15.00	8.05		48.30	
210	225		Sqm	0.4	15.00	8.35		50.10	
225	240		Sqm	0.4	15.00	9.10		54.60	
240	255		Sqm	0.4	15.00	7.20		43.20	
255	270		Sqm	0.4	15.00	5.55		33.30	

CIVIL Pro BANGALORE Sig Date

Contactor

Assistant Engineer

Assistant Executive Engineer

Assistant Executive Engineer

MEASUREMENT SHEET - 1st and FINAL BILL

Chainage From	Chainage To	Description of Item	Unit	No	Length (m)	Breadt (m)	Depth (m)	Quantity	Remarks
270	285		Sqm	0.4	15.00	5.65		33.90	
285	300		Sqm	0.4	15.00	5.80		34.80	
300	315		Sqm	0.4	15.00	6.15		36.90	
315	330		Sqm	0.4	15.00	6.10		36.60	
330	345		Sqm	0.4	15.00	5.75		34.50	
345	360		Sqm	0.4	15.00	5.75		34.50	
360	370		Sqm	0.4	10.00	6.10		24.40	
		BBMP office road							
0	11		Sqm	0.4	11.00	9.40		41.36	
11	26		Sqm	0.4	15.00	7.60		45.60	
26	41		Sqm	0.4	15.00	5.90		35.40	
41	56		Sqm	0.4	15.00	5.35		32.10	
56	71		Sqm	0.4	15.00	5.05		30.30	
71	86		Sqm	0.4	15.00	4.95		29.70	
86	101		Sqm	0.4	15.00	4.80		28.80	
101	116		Sqm	0.4	15.00	5.10		30.60	
116	131		Sqm	0.4	15.00	5.15		30.90	
131	146		Sqm	0.4	15.00	5.45		32.70	
146	161		Sqm	0.4	15.00	6.10		36.60	
161	176		Sqm	0.4	15.00	7.60		45.60	
176	192		Sqm	0.4	16.00	9.75		62.40	
192	207		Sqm	0.4	15.00	9.00		54.00	
207	222		Sqm	0.4	15.00	7.45		44.70	
222	227		Sqm	0.4	5.00	6.85		13.70	
227	242		Sqm	0.4	15.00	5.35		32.10	
242	257		Sqm	0.4	15.00	4.80		28.80	
		AD Colony							
0	15		Sqm	0.4	15.00	4.30		25.80	
15	30		Sqm	0.4	15.00	3.70		22.20	
30	45		Sqm	0.4	15.00	3.85		23.10	
45	60		Sqm	0.4	15.00	3.95		23.70	
60	75		Sqm	0.4	15.00	4.00		24.00	
75	90		Sqm	0.4	15.00	3.90		23.40	
90	105		Sqm	0.4	15.00	3.60		21.60	
105	120		Sqm	0.4	15.00	3.80		22.80	
120	135		Sqm	0.4	15.00	3.75		22.50	
135	150		Sqm	0.4	15.00	3.50		21.00	
150	165		Sqm	0.4	15.00	4.65		27.90	
165	168		Sqm	0.4	3.00	5.80		6.96	
168	183		Sqm	0.4	15.00	5.10		30.60	
183	198		Sqm	0.4	15.00	4.85		29.10	
198	213		Sqm	0.4	15.00	4.85		29.10	
213	234.6		Sqm	0.4	21.60	4.90		42.34	
		Pump House							
0	15		Sqm	0.4	15.00	4.30		25.80	
15	30		Sqm	0.4	15.00	4.50		27.00	
30	32		Sqm	0.4	2.00	4.10		3.28	
							Total	**3893.04**	

CIVIL DEPT. Sig. Date. BANGALORE

Contactor

Assistant Engineer

Assistant Executive Engineer

Assistant Executive Engineer

MEASUREMENT SHEET - 1st and FINAL BILL

Chainage From	Chainage To	Description of Item	Unit	No	Length (m)	Breadt (m)	Depth (m)	Quantity	Remarks
Item no.14		**Providing and laying dense graded bituminous macadam using crushed aggregates of specified grading, premixed with VG30 grade bituminous binder and, transporting the hot mix to work site, laying to the required grade, level and alignment, rolling with smooth wheeled, vibratory and tandem rollers to achieve the desired compaction in all respects complete as per specifications and as per the directions of the Engineer-in-charge of the work .**							
		BAD REACH							
		Kere kodi road							
0	15		Cum	1	15.00	2.00	0.05	1.50	
15	30		Cum	1	15.00	2.00	0.05	1.50	
30	45		Cum	1	15.00	1.90	0.05	1.43	
45	60		Cum	1	15.00	2.00	0.05	1.50	
60	75		Cum	1	15.00	2.00	0.05	1.50	
75	90		Cum	1	15.00	2.00	0.05	1.50	
90	105		Cum	1	15.00	1.50	0.05	1.13	
105	120		Cum	1	15.00	2.00	0.05	1.50	
120	135		Cum	1	15.00	2.00	0.05	1.50	
135	150		Cum	1	15.00	2.00	0.05	1.50	
150	165		Cum	1	15.00	2.00	0.05	1.50	
165	180		Cum	1	15.00	2.00	0.05	1.50	
180	195		Cum	1	15.00	1.60	0.05	1.20	
195	210		Cum	1	15.00	1.60	0.05	1.20	
210	225		Cum	1	15.00	2.00	0.05	1.50	
225	240		Cum	1	15.00	1.60	0.05	1.20	
240	255		Cum	1	15.00	2.00	0.05	1.50	
255	270		Cum	1	15.00	2.00	0.05	1.50	
270	285		Cum	1	15.00	2.00	0.05	1.50	
285	300		Cum	1	15.00	1.60	0.05	1.20	
300	315		Cum	1	15.00	2.00	0.05	1.50	
315	330		Cum	1	15.00	2.00	0.05	1.50	
330	345		Cum	1	15.00	2.00	0.05	1.50	
345	360		Cum	1	15.00	2.00	0.05	1.50	
360	370		Cum	1	10.00	2.00	0.05	1.00	
		BBMP office road							
0	11		Cum	1	11.00	2.00	0.05	1.10	
11	26		Cum	1	15.00	2.00	0.05	1.50	
26	41		Cum	1	15.00	2.00	0.05	1.50	
41	56		Cum	1	15.00	1.60	0.05	1.20	
56	71		Cum	1	15.00	2.00	0.05	1.50	
71	86		Cum	1	15.00	2.00	0.05	1.50	
86	101		Cum	1	15.00	1.60	0.05	1.20	
101	116		Cum	1	15.00	2.00	0.05	1.50	
116	131		Cum	1	15.00	2.00	0.05	1.50	
131	146		Cum	1	15.00	2.00	0.05	1.50	
146	161		Cum	1	15.00	1.50	0.05	1.13	
161	176		Cum	1	15.00	1.60	0.05	1.20	

Contactor

CIVIL PVT. LTD. Sig. Date PMC BANGALORE

Assistant Engineer

Assistant Executive Engineer

Assistant Executive Engineer

MEASUREMENT SHEET - 1st and FINAL BILL

Chainage From	Chainage To	Description of Item	Unit	No	Length (m)	Breadt (m)	Depth (m)	Quantity	Remarks
176	192		Cum	1	16.00	2.00	0.05	1.60	
192	207		Cum	1	15.00	1.60	0.05	1.20	
207	222		Cum	1	15.00	2.00	0.05	1.50	
222	227		Cum	1	5.00	2.00	0.05	0.50	
227	242		Cum	1	15.00	1.60	0.05	1.20	
242	257		Cum	1	15.00	2.00	0.05	1.50	
		AD Colony							
0	15		Cum	1	15.00	2.00	0.05	1.50	
15	30		Cum	1	15.00	2.00	0.05	1.50	
30	45		Cum	1	15.00	1.60	0.05	1.20	
45	60		Cum	1	15.00	1.60	0.05	1.20	
60	75		Cum	1	15.00	2.00	0.05	1.50	
75	90		Cum	1	15.00	1.60	0.05	1.20	
90	105		Cum	1	15.00	2.00	0.05	1.50	
105	120		Cum	1	15.00	1.50	0.05	1.13	
120	135		Cum	1	15.00	1.60	0.05	1.20	
135	150		Cum	1	15.00	2.00	0.05	1.50	
150	165		Cum	1	15.00	2.00	0.05	1.50	
165	168		Cum	1	3.00	1.80	0.05	0.27	
168	183		Cum	1	15.00	2.00	0.05	1.50	
183	198		Cum	1	15.00	2.00	0.05	1.50	
198	213		Cum	1	15.00	2.00	0.05	1.50	
213	234.6		Cum	1	21.60	2.00	0.05	2.16	
		PROFILE CORRECTION							
		Kere kodi road							
0	15		Cum	0.4	15.00	5.75	0.05	1.73	
15	30		Cum	0.4	15.00	5.90	0.05	1.77	
30	45		Cum	0.4	15.00	6.65	0.05	2.00	
45	60		Cum	0.4	15.00	7.95	0.05	2.39	
60	75		Cum	0.4	15.00	8.30	0.05	2.49	
75	90		Cum	0.4	15.00	8.35	0.05	2.51	
90	105		Cum	0.4	15.00	8.65	0.05	2.60	
105	120		Cum	0.4	15.00	8.65	0.05	2.60	
120	135		Cum	0.4	15.00	8.75	0.05	2.63	
135	150		Cum	0.4	15.00	9.00	0.05	2.70	
150	165		Cum	0.4	15.00	9.00	0.05	2.70	
165	180		Cum	0.4	15.00	9.05	0.05	2.72	
180	195		Cum	0.4	15.00	8.90	0.05	2.67	
195	210		Cum	0.4	15.00	8.05	0.05	2.42	
210	225		Cum	0.4	15.00	8.35	0.05	2.51	
225	240		Cum	0.4	15.00	9.10	0.05	2.73	
240	255		Cum	0.4	15.00	7.20	0.05	2.16	
255	270		Cum	0.4	15.00	5.55	0.05	1.67	
270	285		Cum	0.4	15.00	5.65	0.05	1.70	
285	300		Cum	0.4	15.00	5.80	0.05	1.74	
300	315		Cum	0.4	15.00	6.15	0.05	1.85	

CIVIL PWD BANGALORE Sig Date

Contactor

PWD

Assistant Engineer

AssistantEngineer

Assistant Executive Engineer

Assistant Executive Engineer

MEASUREMENT SHEET - 1st and FINAL BILL

Chainage From	Chainage To	Description of Item	Unit	No	Length (m)	Breadt (m)	Depth (m)	Quantity	Remarks
315	330		Cum	0.4	15.00	6.10	0.05	1.83	
330	345		Cum	0.4	15.00	5.75	0.05	1.73	
345	360		Cum	0.4	15.00	5.75	0.05	1.73	
360	370		Cum	0.4	10.00	6.10	0.05	1.22	
		BBMP office road							
0	11		Cum	0.4	11.00	9.40	0.05	2.07	
11	26		Cum	0.4	15.00	7.60	0.05	2.28	
26	41		Cum	0.4	15.00	5.90	0.05	1.77	
41	56		Cum	0.4	15.00	5.35	0.05	1.61	
56	71		Cum	0.4	15.00	5.05	0.05	1.52	
71	86		Cum	0.4	15.00	4.95	0.05	1.49	
86	101		Cum	0.4	15.00	4.80	0.05	1.44	
101	116		Cum	0.4	15.00	5.10	0.05	1.53	
116	131		Cum	0.4	15.00	5.15	0.05	1.55	
131	146		Cum	0.4	15.00	5.45	0.05	1.64	
146	161		Cum	0.4	15.00	6.10	0.05	1.83	
161	176		Cum	0.4	15.00	7.60	0.05	2.28	
176	192		Cum	0.4	16.00	9.75	0.05	3.12	
192	207		Cum	0.4	15.00	9.00	0.05	2.70	
207	222		Cum	0.4	15.00	7.45	0.05	2.24	
222	227		Cum	0.4	5.00	6.85	0.05	0.69	
227	242		Cum	0.4	15.00	5.35	0.05	1.61	
242	257		Cum	0.4	15.00	4.80	0.05	1.44	
		AD Colony							
0	15		Cum	0.4	15.00	4.30	0.05	1.29	
15	30		Cum	0.4	15.00	3.70	0.05	1.11	
30	45		Cum	0.4	15.00	3.85	0.05	1.16	
45	60		Cum	0.4	15.00	3.95	0.05	1.19	
60	75		Cum	0.4	15.00	4.00	0.05	1.20	
75	90		Cum	0.4	15.00	3.90	0.05	1.17	
90	105		Cum	0.4	15.00	3.60	0.05	1.08	
105	120		Cum	0.4	15.00	3.80	0.05	1.14	
120	135		Cum	0.4	15.00	3.75	0.05	1.13	
135	150		Cum	0.4	15.00	3.50	0.05	1.05	
150	165		Cum	0.4	15.00	4.65	0.05	1.40	
165	168		Cum	0.4	3.00	5.80	0.05	0.35	
168	183		Cum	0.4	15.00	5.10	0.05	1.53	
183	198		Cum	0.4	15.00	4.85	0.05	1.46	
198	213		Cum	0.4	15.00	4.85	0.05	1.46	
213	234.6		Cum	0.4	21.60	4.90	0.05	2.12	
		Pump House							
0	15		Cum	1	15.00	4.30	0.05	3.23	
15	30		Cum	1	15.00	4.50	0.05	3.38	
30	32		Cum	1	2.00	4.10	0.05	0.41	
							Total	**195.34**	

CIVIL Pro Sig. Date. BANGALORE

Contactor

Assistant Engineer

Assistant Executive Engineer

Assistant Executive Engineer

MEASUREMENT SHEET - 1st and FINAL BILL

Chainage From	Chainage To	Description of Item	Unit	No	Length (m)	Breadt (m)	Depth (m)	Quantity	Remarks
Item no.15		Providing and applying tack coat using 80/100 grade bitumen(VG10) on the prepared black topped surfaces at 2.5 kg per 10 sqm, heating bitumen in boiler fitted with spray set (excluding cleaning of road surface) including cost of all materials, labour, HOM complete as per specifications and as per the directions of the Engineer-in-charge of the work .							
		Kere kodi road							
0	15		Sqm	1	15.00	5.75		86.25	
15	30		Sqm	1	15.00	5.90		88.50	
30	45		Sqm	1	15.00	6.65		99.75	
45	60		Sqm	1	15.00	7.95		119.25	
60	75		Sqm	1	15.00	8.30		124.50	
75	90		Sqm	1	15.00	8.35		125.25	
90	105		Sqm	1	15.00	8.65		129.75	
105	120		Sqm	1	15.00	8.65		129.75	
120	135		Sqm	1	15.00	8.75		131.25	
135	150		Sqm	1	15.00	9.00		135.00	
150	165		Sqm	1	15.00	9.00		135.00	
165	180		Sqm	1	15.00	9.05		135.75	
180	195		Sqm	1	15.00	8.90		133.50	
195	210		Sqm	1	15.00	8.05		120.75	
210	225		Sqm	1	15.00	8.35		125.25	
225	240		Sqm	1	15.00	9.10		136.50	
240	255		Sqm	1	15.00	7.20		108.00	
255	270		Sqm	1	15.00	5.55		83.25	
270	285		Sqm	1	15.00	5.65		84.75	
285	300		Sqm	1	15.00	5.80		87.00	
300	315		Sqm	1	15.00	6.15		92.25	
315	330		Sqm	1	15.00	6.10		91.50	
330	345		Sqm	1	15.00	5.75		86.25	
345	360		Sqm	1	15.00	5.75		86.25	
360	370		Sqm	1	10.00	6.10		61.00	
		BBMP office road							
0	11		Sqm	1	11.00	9.40		103.40	
11	26		Sqm	1	15.00	7.60		114.00	
26	41		Sqm	1	15.00	5.90		88.50	
41	56		Sqm	1	15.00	5.35		80.25	
56	71		Sqm	1	15.00	5.05		75.75	
71	86		Sqm	1	15.00	4.95		74.25	
86	101		Sqm	1	15.00	4.80		72.00	
101	116		Sqm	1	15.00	5.10		76.50	
116	131		Sqm	1	15.00	5.15		77.25	
131	146		Sqm	1	15.00	5.45		81.75	
146	161		Sqm	1	15.00	6.10		91.50	
161	176		Sqm	1	15.00	7.60		114.00	
176	192		Sqm	1	16.00	9.75		156.00	
192	207		Sqm	1	15.00	9.00		135.00	

CIVIL Pro Sig Date PMC BANGALORE

Contactor

Assistant Engineer

Assistant Executive Engineer

Assistant Executive Engineer

MEASUREMENT SHEET - 1st and FINAL BILL

Chainage From	Chainage To	Description of Item	Unit	No	Length (m)	Breadt (m)	Depth (m)	Quantity	Remarks
207	222		Sqm	1	15.00	7.45		111.75	
222	227		Sqm	1	5.00	6.85		34.25	
227	242		Sqm	1	15.00	5.35		80.25	
242	257		Sqm	1	15.00	4.80		72.00	
		AD Colony							
0	15		Sqm	1	15.00	4.30		64.50	
15	30		Sqm	1	15.00	3.70		55.50	
30	45		Sqm	1	15.00	3.85		57.75	
45	60		Sqm	1	15.00	3.95		59.25	
60	75		Sqm	1	15.00	4.00		60.00	
75	90		Sqm	1	15.00	3.90		58.50	
90	105		Sqm	1	15.00	3.60		54.00	
105	120		Sqm	1	15.00	3.80		57.00	
120	135		Sqm	1	15.00	3.75		56.25	
135	150		Sqm	1	15.00	3.50		52.50	
150	165		Sqm	1	15.00	4.65		69.75	
165	168		Sqm	1	3.00	5.80		17.40	
168	183		Sqm	1	15.00	5.10		76.50	
183	198		Sqm	1	15.00	4.85		72.75	
198	213		Sqm	1	15.00	4.85		72.75	
213	234.6		Sqm	1	21.60	4.90		105.84	
		Pump House							
0	15		Sqm	1	15.00	4.30		64.50	
15	30		Sqm	1	15.00	4.50		67.50	
30	32		Sqm	1	2.00	4.10		8.20	
							Total	**5505.09**	

CIVIL Pro
Sig
Date
BANGALORE

Contactor

Assistant Engineer

Assistant Executive Engineer

Assistant Executive Engineer

MEASUREMENT SHEET - 1st and FINAL BILL

Chainage From	Chainage To	Description of Item	Unit	No	Length (m)	Breadt (m)	Depth (m)	Quantity	Remarks
Item no.16		Providing and laying bituminous concrete 40mm thick with hot mix plant, using crushed aggregates of specified grading, premixed with bituminous binder and filler, transporting the hot mix to work site, laying with a paver finisher to the required grade, level and alignment, rolling with smooth wheeled, vibratory and tandem rollers to achieve the desired compaction in all respects complete as per specifications. and as per the directions of the Engineer-in-charge of the work.							
		Kere kodi road							
0	15		Cum	1	15.00	5.75	0.04	3.45	
15	30		Cum	1	15.00	5.90	0.04	3.54	
30	45		Cum	1	15.00	6.65	0.04	3.99	
45	60		Cum	1	15.00	7.95	0.04	4.77	
60	75		Cum	1	15.00	8.30	0.04	4.98	
75	90		Cum	1	15.00	8.35	0.04	5.01	
90	105		Cum	1	15.00	8.65	0.04	5.19	
105	120		Cum	1	15.00	8.65	0.04	5.19	
120	135		Cum	1	15.00	8.75	0.04	5.25	
135	150		Cum	1	15.00	9.00	0.04	5.40	
150	165		Cum	1	15.00	9.00	0.04	5.40	
165	180		Cum	1	15.00	9.05	0.04	5.43	
180	195		Cum	1	15.00	8.90	0.04	5.34	
195	210		Cum	1	15.00	8.05	0.04	4.83	
210	225		Cum	1	15.00	8.35	0.04	5.01	
225	240		Cum	1	15.00	9.10	0.04	5.46	
240	255		Cum	1	15.00	7.20	0.04	4.32	
255	270		Cum	1	15.00	5.55	0.04	3.33	
270	285		Cum	1	15.00	5.65	0.04	3.39	
285	300		Cum	1	15.00	5.80	0.04	3.48	
300	315		Cum	1	15.00	6.15	0.04	3.69	
315	330		Cum	1	15.00	6.10	0.04	3.66	
330	345		Cum	1	15.00	5.75	0.04	3.45	
345	360		Cum	1	15.00	5.75	0.04	3.45	
360	370		Cum	1	10.00	6.10	0.04	2.44	
		BBMP office road							
0	11		Cum	1	11.00	9.40	0.04	4.14	
11	26		Cum	1	15.00	7.60	0.04	4.56	
26	41		Cum	1	15.00	5.90	0.04	3.54	
41	56		Cum	1	15.00	5.35	0.04	3.21	
56	71		Cum	1	15.00	5.05	0.04	3.03	
71	86		Cum	1	15.00	4.95	0.04	2.97	
86	101		Cum	1	15.00	4.80	0.04	2.88	
101	116		Cum	1	15.00	5.10	0.04	3.06	
116	131		Cum	1	15.00	5.15	0.04	3.09	
131	146		Cum	1	15.00	5.45	0.04	3.27	
146	161		Cum	1	15.00	6.10	0.04	3.66	
161	176		Cum	1	15.00	7.60	0.04	4.56	
176	192		Cum	1	16.00	9.75	0.04	6.24	

EFC

20/01/20

CIVIL PWD Sig Date PMC BANGALORE

Contactor

Assistant Engineer

Assistant Executive Engineer

Assistant Executive Engineer

MEASUREMENT SHEET - 1st and FINAL BILL

Chainage From	Chainage To	Description of Item	Unit	No	Length (m)	Breadt (m)	Depth (m)	Quantity	Remarks
192	207		Cum	1	15.00	9.00	0.04	5.40	
207	222		Cum	1	15.00	7.45	0.04	4.47	
222	227		Cum	1	5.00	6.85	0.04	1.37	
227	242		Cum	1	15.00	5.35	0.04	3.21	
242	257		Cum	1	15.00	4.80	0.04	2.88	
		AD Colony							
0	15		Cum	1	15.00	4.30	0.04	2.58	
15	30		Cum	1	15.00	3.70	0.04	2.22	
30	45		Cum	1	15.00	3.85	0.04	2.31	
45	60		Cum	1	15.00	3.95	0.04	2.37	
60	75		Cum	1	15.00	4.00	0.04	2.40	
75	90		Cum	1	15.00	3.90	0.04	2.34	
90	105		Cum	1	15.00	3.60	0.04	2.16	
105	120		Cum	1	15.00	3.80	0.04	2.28	
120	135		Cum	1	15.00	3.75	0.04	2.25	
135	150		Cum	1	15.00	3.50	0.04	2.10	
150	165		Cum	1	15.00	4.65	0.04	2.79	
165	168		Cum	1	3.00	5.80	0.04	0.70	
168	183		Cum	1	15.00	5.10	0.04	3.06	
183	198		Cum	1	15.00	4.85	0.04	2.91	
198	213		Cum	1	15.00	4.85	0.04	2.91	
213	234.6		Cum	1	21.60	4.90	0.04	4.23	
		Pump House							
0	15		Cum	1	15.00	4.30	0.04	2.58	
15	30		Cum	1	15.00	4.50	0.04	2.70	
30	32		Cum	1	2.00	4.10	0.04	0.33	
							Total	**220.20**	

20/06/2020

CIVIL Pro Sig Date BANGALORE

Contactor

Assistant Engineer

AssistantEngineer

Assistant Executive Engineer

MEASUREMENT SHEET - 1st and FINAL BILL

Chainage From	Chainage To	Description of Item	Unit	No	Length (m)	Breadt (m)	Depth (m)	Quantity	Remarks
Item no.17		Road Marking with Hot Applied Thermoplastic Compound with Reflectrising Glass Beads on Bituminous Surface/ Concrete Surface: Providing and laying of hot applied thermoplastic compound 2.5 mm thick including reflectorising glass beads at 250 gms per sqm area, thickness of 2.5 mm is exclusive of surface applied glass beads as per IRC:35 standards specified. The finished surface to be level, uniform and free from streaks and holes complete as per specifications. and as per the directions of the Engineer-in-charge of the work .							
		Kere kodi road							
0	15		Sqm	2.5	15.00	0.10		3.75	
15	30		Sqm	2.5	15.00	0.10		3.75	
30	45		Sqm	2.5	15.00	0.10		3.75	
45	60		Sqm	2.5	15.00	0.10		3.75	
60	75		Sqm	2.5	15.00	0.10		3.75	
75	90		Sqm	2.5	15.00	0.10		3.75	
90	105		Sqm	2.5	15.00	0.10		3.75	
105	120		Sqm	2.5	15.00	0.10		3.75	
120	135		Sqm	2.5	15.00	0.10		3.75	
135	150		Sqm	2.5	15.00	0.10		3.75	
150	165		Sqm	2.5	15.00	0.10		3.75	
165	180		Sqm	2.5	15.00	0.10		3.75	
180	195		Sqm	2.5	15.00	0.10		3.75	
195	210		Sqm	2.5	15.00	0.10		3.75	
210	225		Sqm	2.5	15.00	0.10		3.75	
225	240		Sqm	2.5	15.00	0.10		3.75	
240	255		Sqm	2.5	15.00	0.10		3.75	
255	270		Sqm	2.5	15.00	0.10		3.75	
270	285		Sqm	2.5	15.00	0.10		3.75	
285	300		Sqm	2.5	15.00	0.10		3.75	
300	315		Sqm	2.5	15.00	0.10		3.75	
315	330		Sqm	2.5	15.00	0.10		3.75	
330	345		Sqm	2.5	15.00	0.10		3.75	
345	360		Sqm	2.5	15.00	0.10		3.75	
360	370		Sqm	2.5	10.00	0.10		2.50	
		BBMP office road							
0	11		Sqm	2.5	11.00	0.10		2.75	
11	26		Sqm	2.5	15.00	0.10		3.75	
26	41		Sqm	2.5	15.00	0.10		3.75	
41	56		Sqm	2.5	15.00	0.10		3.75	
56	71		Sqm	2.5	15.00	0.10		3.75	
71	86		Sqm	2.5	15.00	0.10		3.75	
86	101		Sqm	2.5	15.00	0.10		3.75	
101	116		Sqm	2.5	15.00	0.10		3.75	
116	131		Sqm	2.5	15.00	0.10		3.75	
131	146		Sqm	2.5	15.00	0.10		3.75	
146	161		Sqm	2.5	15.00	0.10		3.75	
161	176		Sqm	2.5	15.00	0.10		3.75	

CIVIL Engg Sign Date BANGALORE

Contactor Assistant Engineer Assistant Executive Engineer

MEASUREMENT SHEET - 1st and FINAL BILL

Chainage From	Chainage To	Description of Item	Unit	No	Length (m)	Breadt (m)	Depth (m)	Quantity	Remarks
176	192		Sqm	2.5	16.00	0.10		4.00	
192	207		Sqm	2.5	15.00	0.10		3.75	
207	222		Sqm	2.5	15.00	0.10		3.75	
222	227		Sqm	2.5	5.00	0.10		1.25	
227	242		Sqm	2.5	15.00	0.10		3.75	
242	257		Sqm	2.5	15.00	0.10		3.75	
		AD Colony							
0	15		Sqm	2.5	15.00	0.10		3.75	
15	30		Sqm	2.5	15.00	0.10		3.75	
30	45		Sqm	2.5	15.00	0.10		3.75	
45	60		Sqm	2.5	15.00	0.10		3.75	
60	75		Sqm	2.5	15.00	0.10		3.75	
75	90		Sqm	2.5	15.00	0.10		3.75	
90	105		Sqm	2.5	15.00	0.10		3.75	
105	120		Sqm	2.5	15.00	0.10		3.75	
120	135		Sqm	2.5	15.00	0.10		3.75	
135	150		Sqm	2.5	15.00	0.10		3.75	
150	165		Sqm	2.5	15.00	0.10		3.75	
165	168		Sqm	2.5	3.00	0.10		0.75	
168	183		Sqm	2.5	15.00	0.10		3.75	
183	198		Sqm	2.5	15.00	0.10		3.75	
198	213		Sqm	2.5	15.00	0.10		3.75	
213	234.6		Sqm	2.5	21.60	0.10		5.40	
		Pump House							
0	15		Sqm	2.5	15.00	0.10		3.75	
15	30		Sqm	2.5	15.00	0.10		3.75	
30	32		Sqm	2.5	2.00	0.10		0.50	
							Total	**223.40**	
							Quantity Limited	**221.00**	

CIVIL Pro Sig Date BANGALORE

Contactor

Assistant Engineer

Assistant Executive Engineer

BRUHAT BANGALORE MAHANAGARA PALIKE

NAME OF WORK: Improvements to roads and drains at Manavarthi Thota, Kamakshamma layout layout Kondappa layout SC-ST areas in Ward No. 02 of Yelahanka Sub division

Measurements Taken On :

ABSTRACT OF MEASUREMENT SHEET - Ist and FINAL BILL

Item No	Description	Unit	Quantity	Approved Tender Rates	Amount	Remarks
Item No. 01	Removing and refixing stone slabs of drains and pointing in CM and as per the directions of the Engineer-in-charge of the work .	Sqm	661.88			
	present Qty	Sqm	661.88			
	Previous Bill Qty	Sqm	-			
	Total	Sqm	661.88			
	Tender Qty	Sqm	662.25			
	Now to be paid	Sqm	661.88	111.30	73666.69	
Item No. 02	Earthwork excavation by manual means in ordinary soil involving an average horizontal throw upto 2 meters and an average lift upto 0.5 m, excavated surface leveled and sides neatly dressed, the disposed earth to be leveled neatly after breaking of clods complete as per specifications. and as per the directions of the Engineer-in-charge of the work .	Cum	- 797.64			
	present Qty	Cum	797.64			
	Previous Bill Qty	Cum	-			
	Total	Cum	797.64			
	Tender Qty	Cum	783.24			
	Now to be paid	Cum	797.64			
	Quantity Limited to	Cum	783.24	215.28	168615.91	
Item No. 03	Providing and laying Plain cement concrete of mix 1:3:6 with OPC @ 220kgs, with crushed 40mm and down size graded granite metal coarse aggregates @0.89cum and fine aggregates @ 0.46cum, in foundation mechanically mixed, placed in foundation and compacted by vibration including curing for 14 days including cost of all materials, labour, HOM curing, form works, scaffolding and centering complete as per specifications. and as per the directions of the Engineer-in-charge of the work .	Cum	70.63			
	present Qty	Cum	70.63			
	Previous Bill Qty	Cum	-			
	Total	Cum	70.63			
	Tender Qty	Cum	70.83			
	Now to be paid	Cum	70.63	5421.90	382937.28	
Item No. 04	Providing and laying plain/reinforced cement concrete for side drains using M20 nominal mix concrete with OPC at 300 kgs. With 20mm and sown size granite metal course aggregates at 0.69 cum and fine aggregates at 0.43 cum machine mixed, well compcted for walls and bottom including centring shuttering cost of material HOM of machinary curing etc., complete execluding cost of steel as per MORTH specification and as per the directions of the Engineer-in-charge of the work .	Cum	89.79			
	present Qty	Cum	89.79			
	Previous Bill Qty	Cum	-			

CIVIL Pro Sig Date BANGALORE

Contractor

AssistantEngineer

Assistant Executive Engineer

Item No	Description	Unit	Quantity	Approved Tender Rates	Amount	Remarks
	Total	Cum	89.79			
	Tender Qty	Cum	89.82			
	Now to be paid	Cum	89.79	7070.20	634843.86	
Item No.05	Providing TMT steel reinforcement for R.C.C work including straightening, cutting, bending, hooking, palcing in position, lapping and / or welding wherever required, tying with binding wire and anchoring to the adjoining memebrs wherever necessary complete as per design (laps, hooks and wastage shall not be measured and paid) cost of materials, labour, HOM of machinery complete as per specifications.	Tonne	6.61			
	present Qty	Tonne	6.61			
	Previous Bill Qty	Tonne	-			
	Total	Tonne	6.61			
	Tender Qty	Tonne	6.63			
	Now to be paid	Tonne	6.61	73992.24	489132.01	
Item No.06	Providing and fixing RCC precast cover slab of 100mm thick for drain in cement concrete 1:1.5:3 using graded granite jelly 20mm and down size with steel reinforcement, including form work, lift charges, curing and concrete finished surfaces on both sides etc, completeand as per the directions of the Engineer-in-charge of the work .	Sqm	590.57			
	present Qty	Sqm	590.57			
	Previous Bill Qty	Sqm	-			
	Total	Sqm	590.57			
	Tender Qty	Sqm	590.85			
	Now to be paid	Sqm	590.57	2337.00	1380150.41	
Item No.07	Providing and fixing RCC precast cover slab of 250mm thick made out of CC 1:2:4 and jelly 20mm and down size with steel reinforcement, including form work, lift charges, curing and concrete finished surfaces on both sides etc, complete and as per the directions of the Engineer-in-charge of the work .	Sqm	30.54			
	present Qty	Sqm	30.54			
	Previous Bill Qty	Sqm	-			
	Total	Sqm	30.54			
	Tender Qty	Sqm	28.80			
	Now to be paid	Sqm	30.54			
	Quantity Limited to	Sqm	28.80	5418.00	156038.40	
Item No.08	Dismantling of cement concrete pavement by mechanical means using pneumatic tools, breaking to pieces not exceeding 0.02 cum in volume and stock piling at designated locations and disposal of dismantled materials stacking serviceable and unserviceable materials seperately complete as per specifications and as per the directions of the Engineer-in-charge of the work .	Cum	32.46			
	present Qty	Cum	32.46			
	Previous Bill Qty	Cum	-			

CIVIL Pro Sig Date BANGALORE

Contractor

JE/AE/EE/AEE/EEC

AssistantEngineer

Assistant Executive Engineer

Item No	Description	Unit	Quantity	Approved Tender Rates	Amount	Remarks
	Total	Cum	32.46			
	Tender Qty	Cum	35.00			
	Now to be paid	Cum	32.46	973.42	31599.48	
Item No.09	Constructing un-reinforced, plain cement concrete for pavements using Grade concrete M30 with OPC at 360 kg/cum and coarse aggregate 0.69cum, fine aggregate 0.46cum. over a prepared base with OPC coarse aggregate at 0.69 cum, fine aggregates at 0.46 cum,Coarse and fine aggregate conforming to IS:383-2016, with Superplastizer at 3 lts conforming to IS 9103-2008. mixed in a concrete mixer of not less than 0.6 cum capacity and appropriate weigh batcher as per approved mix design, laid in approved fixed side form work (steel channel, laying and fixing of 125 micron thick polythene film, wedges, steel plates including levelling the form work as per drawing). & Spreading the concrete with shovels, rackers compacted using needle, screed and plate vibrator and finished with floaters in a continuous operation including provision of contraction, expansion, construction and longitudinal joints,including groove cutting charges, joint filler, separation membrane of impermiable plastic sheet of 125 micron, sealant primer, joint sealant, admixtures as approved, curing compound, finishing to lines and grades, textured with texturing machine, and curing including cost of all materials, labour,hire charges of machineries,all lead & lift charges etc., complete as per specifications and as per the directions of the Engineer-in-charge of the work .	Cum	26.17			
	present Qty	Cum	26.17			
	Previous Bill Qty	Cum	-			
	Total	Cum	26.17			
	Tender Qty	Cum	26.25			
	Now to be paid	Cum	26.17	5210.96	136379.94	
Item No.10	Vaccum De- writing with vaccum pump and suction mat and compaction with skin flater clubbed with floatiog disc including cost of generator, HOM of machinery Screed Vibratory Power Floaterblade and diisc etc. with all lead and lift. and as per the directions of the Engineer-in-charge of the work .	Sqm	162.31			
	present Qty	Sqm	162.31			
	Previous Bill Qty	Sqm	-			
	Total	Sqm	162.31			
	Tender Qty	Sqm	175.00			
	Now to be paid	Sqm	162.31	-72.08	11699.42	

CIVIL Pro
Sig
Date
BANGALORE
PMC

Contractor

AssistantEngineer

Assistant Executive Engineer

Item No	Description	Unit	Quantity	Approved Tender Rates	Amount	Remarks
Item No.11	Construction of granular sub-base Grading-V as Sub-base and drainage layer by providing coarse graded crushed stone aggregates of granite/ trap/basalt material, mixing in a mechanical mix plant at OMC, Carriage of mixed material to work site, spreading in uniform layers with motor grader on prepared surface and compacting with vibratory power roller to achieve the 98 % proctor density, complete as per specificationand as per drawing and as per the directions of the Engineer-in-charge of the work .	Cum	242.19			
	present Qty	Cum	242.19			
	Previous Bill Qty	Cum	-			
	Total	Cum	242.19			
	Tender Qty	Cum	241.20			
	Now to be paid	Cum	242.19			
	Quantity Limited to	Cum	241.20	1994.92	481174.70	
Item No.12	Providing, laying, spreading and compacting cushed stone aggregates of granite / trap / basalt to wet mix macadam specifications including pre mixing the material with water at OMC in mechanical mix plant carriage of mixed materials by tipper to site, laying in uniform layers with paver in sub-base/base course on well prepared surface and compacting with vibratory roller to achieve the desired density complete as per specifications and as per the directions of the Engineer-in-charge of the work .k .	Cum	388.93			
	present Qty	Cum	388.93			
	Previous Bill Qty	Cum	-			
	Total	Cum	388.93			
	Tender Qty	Cum	369.84			
	Now to be paid	Cum	388.93			
	Quantity Limited to	Cum	369.84	2001.28	740153.40	
Item No.13	Providing and applying primer coat with S.S. bitumen emulsion on prepared surface of granular base such as WMM including cleaning of road surface and spraying primer at the rate of 0.60 kg / sqm using mechanical means complete as per specifications and as per the directions of the Engineer-in-charge of the work .	Sqm	3893.04			
	present Qty	Sqm	3893.04			
	Previous Bill Qty	Sqm	-			
	Total	Sqm	3893.04			
	Tender Qty	Sqm	3914.40			
	Now to be paid	Sqm	3893.04	33.92	132051.78	

CIVIL Pro Sig. Date BANGALORE

Contractor

Assistant Engineer

Assistant Executive Engineer

Item No	Description	Unit	Quantity	Approved Tender Rates	Amount	Remarks
Item No.14	Providing and laying dense graded bituminous macadam using crushed aggregates of specified grading, premixed with VG30 grade bituminous binder and, transporting the hot mix to work site, laying to the required grade, level and alignment, rolling with smooth wheeled, vibratory and tandem rollers to achieve the desired compaction in all respects complete as per specifications and as per the directions of the Engineer-in-charge of the work .	Cum	195.34			
	present Qty	Cum	195.34			
	Previous Bill Qty	Cum	-			
	Total	Cum	195.34			
	Tender Qty	Cum	195.72			
	Now to be paid	Cum	195.34	7428.48	1451062.94	
Item No.15	Providing and applying tack coat using 80/100 grade bitumen(VG10) on the prepared black topped surfaces at 2.5 kg per 10 sqm, heating bitumen in boiler fitted with spray set (excluding cleaning of road surface) including cost of all materials, labour, HOM complete as per specifications and as per the directions of the Engineer-in-charge of the work .	Sqm	5505.09			
	present Qty	Sqm	5505.09			
	Previous Bill Qty	Sqm	-			
	Total	Sqm	5505.09			
	Tender Qty	Sqm	5506.00			
	Now to be paid	Sqm	5505.09	12.72	70024.74	
Item No.16	Providing and laying bituminous concrete 40mm thick with hot mix plant, using crushed aggregates of specified grading, premixed with bituminous binder and filler, transporting the hot mix to work site, laying with a paver finisher to the required grade, level and alignment, rolling with smooth wheeled, vibratory and tandem rollers to achieve the desired compaction in all respects complete as per specifications. and as per the directions of the Engineer-in-charge of the work .	Cum	220.20			
	present Qty	Cum	220.20			
	Previous Bill Qty	Cum	-			
	Total	Cum	220.20			
	Tender Qty	Cum	221.00			
	Now to be paid	Cum	220.20	8699.42	1915643.60	

CIVIL Pro
Sig
Date
BANGALORE

Contractor

AssistantEngineer

Assistant Executive Engineer

Item No	Description	Unit	Quantity	Approved Tender Rates	Amount	Remarks
Item No.17	Road Marking with Hot Applied Thermoplastic Compound with Reflectrising Glass Beads on Bituminous Surface/ Concrete Surface: Providing and laying of hot applied thermoplastic compound 2.5 mm thick including reflectorising glass beads at 250 gms per sqm area, thickness of 2.5 mm is exclusive of surface applied glass beads as per IRC:35 standards specified. The finished surface to be level, uniform and free from streaks and holes complete as per specifications, and as per the directions of the Engineer-in-charge of the work .	Sqm	223.40			
	present Qty	Sqm	223.40			
	Previous Bill Qty	Sqm	-			
	Total	Sqm	223.40			
	Tender Qty	Sqm	221.00			
	Now to be paid	Sqm	223.40			
	Quantity Limited to	Sqm	221.00	454.74	100497.54	
				SUB TOTAL AMOUNT	8355672.11	
				Add KRIDL @ 4%	334226.88	
				Add GST @ 12%	1002680.65	
				TOTAL AMOUNT	9692579.65	

CIVIL Pro
Sig
Date
BANGALORE

Contractor

AssistantEngineer

Assistant Executive Engineer